

# PATENT ABSTRACTS OF JAPAN

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## (54) BACKWASH METHOD OF HOLLOW-STRING FILM FILTER

### (57)Abstract:

PURPOSE: To make possible the extension of the life of a hollow-string film by giving priority to a scrubbing process over a bump process to perform and taking in a pair of the scrubbing and bump processes at least two times.

CONSTITUTION: After differential pressure reaches a fixed value, filtration is stopped and a body shell vent valve, an air scrubbing valve are opened to introduce air and air-scrubbing is performed for fixed time in a process in which radioactive waste liquid and the like are supplied to a hollow-string film filter to filter. Next it is filled with liquid up to the bottom of a tube plate, up to a dome drain opening, dome pressurization is performed and a backwash drain valve is opened to perform bumps by the water of an upper shell. Next, after drain of waste liquid under the tube plate and a process for increasing water level up to the bottom of the tube plate are performed and a water inlet valve is closed, air scrubbing is performed for a fixed time. Further the filter is filled with liquid up to the lower of the tube plate, up to a dome drain opening, the pressurization of the dome is performed and the backwash drain valve is opened to perform bumps by the water of the upper shell. Successively, after the drain of the waste liquid under the tube plate is performed, the filter is filled with liquid up to the bottom of the tube plate and up to the upper shell and sufficiently filled, the inlet valve and the vent valve are closed to be in a stop condition.

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### LEGAL STATUS

[Date of request for examination]